

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/636,826  
 DATE: 12/09/2000  
 TIME: 15:18:38

Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\12092000\I636826.raw

## SEQUENCE LISTING

## C--&gt; 3 (1) GENERAL INFORMATION:

4 (i) APPLICANT: DUWENIG, Elke; RAUSCH, Thomas  
 5 (ii) TITLE OF INVENTION: Plant gene expression under the control  
 6 of constitutive plant V-ATPase promoters  
 7 (iii) NUMBER OF SEQUENCES: 3  
 8 (iv) CORRESPONDENCE ADDRESS:  
 9 (A) ADDRESSEE: Keil & Weinkauff  
 10 (B) STREET: 1101 Connecticut Avenue  
 11 (C) CITY: Washington  
 12 (D) STATE: D.C.  
 13 (E) COUNTRY: USA  
 14 (F) ZIP: 20036  
 15 (v) COMPUTER READABLE FORM:  
 16 (A) MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb storage  
 17 (B) COMPUTER: IBM AT-compatible, Pentium processor  
 18 (C) OPERATING SYSTEM: Windows 95  
 19 (D) SOFTWARE: WordPerfect version 6.1  
 20 (vi) CURRENT APPLICATION DATA:

C--> 21 (A) APPLICATION NUMBER: US/09/636,826

C--> 22 (B) FILING DATE: 14-Aug-2000

23 (C) CLASSIFICATION:

25 (2) INFORMATION FOR SEQ ID NO: 1:

26 (i) SEQUENCE CHARACTERISTICS:  
 27 (A) LENGTH: 2090 nucleic acids  
 28 (B) TYPE: nucleic acid  
 29 (C) STRANDEDNESS: single  
 30 (D) TOPOLOGY: linear

31 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

33	GATATCACAC	ATTGCTCCAT	CGACGATTTC	CGAACTTTCA	AATAGGTACG	TAAATCTTTT	60
35	AATCTTCAAA	GTATTTTCAC	ATTAGTCGAC	TATTATGTAG	TTGAAAAAAT	GGAGATAATA	120
37	GGAATTAGTT	GAAAAGGGTG	TTTATATAAT	TAGACTTAAA	TTTGATTTCAT	TTTCATATAT	180
39	CTGAAAACAA	GGTATGTATG	AAATTTGATT	CATTTATGAC	ACTCATGAAA	AACTTAACGA	240
41	TTTAGTTCTT	TTTTTTAAAA	TTCCAATATA	AATTTTGGCC	CAAAACTTTT	GCAAAATATC	300
43	CATGTTTCGA	AATAAATTTT	GAAAAACAAA	ACAATATCAA	ACCTTTTTCG	GAACAACTTT	360
45	TACAAAAATC	CATTTTCAGA	AAAAAAATTT	TACATTAATC	TGCGAAATCA	AATTGTGTAT	420
47	GAAAAATTTA	AAATTTTCCTT	TCACCTATAA	TTGAAACTCA	AACTGTATAA	ATTTAGAAAA	480
49	GGAGAAAAAT	AAAAAATGAC	CATTTTCATG	GAAATCAAA	TGTGTATGAA	AACTTAAAA	540
51	TTTATTTTAA	AATATAATTG	AAATTCAAAG	TGTTAAAAAT	TAGAAAAGGA	GAAAAATTA	600
53	AATGACCATT	TCATTCAAAA	TCAGATTGFG	TATGAAAAAT	TTAAATTTT	ATTTCAAATA	660
55	TAATTGAAAC	TCAAAGTGTG	AACATTTAGA	AAAGGAGAAA	AATTAATAATG	ATGAAAAATTT	720
57	GTAAAAACAT	AATTTCTGAA	ATCAGAATTT	AGAACTTAGA	CAAGGAAAAA	AACTGAATT	780
59	GTCTTATACT	TTTCGGTTAC	AATTTTGGGA	TCATAAAGAA	ATTACTGAAA	TCCATATCAA	840
61	AAACTATTAT	AAATTACAAA	AATGAATAAA	ACCAAAAAAA	GAAGAACATG	ACGATATTTC	900
63	CTAAAGAACA	TCATACTGAT	TATAAAAGAA	CATGCGCATA	TTAGAATTGA	GAAACAAAAA	960
65	ACTATTCAAA	ATCACAAAAA	TGCATAACAA	CATACAAAGA	ACATGAAAGA	ATCTTATTCA	1020
67	CAAAATGGAG	GTGAACCTAA	ATACTAATTT	GCATTTTCAG	TTTATTTACT	ACTTAGTATT	1080

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69 AGGCCTAAAA ATATCATCGC ACGCATCGCG TGCACAAAAG ACTAGTGTTA AGTATCACAA 1140
71 GTCACAAACT CACAACATCAT TTTCATTAG GTCCTATTG GTAGGGCGTA AAACGTTTTC 1200
73 CCGGAACACT ATTTTCTCTC ATTTTCTAGT TTACATGTGT TGGTTGACAA AAGAGTGTA 1260
75 AACCGTTTTC CCTTGGGGTA AAATFACTCT TCCAATGATC GAAACCATTT TTCTTTTCAA 1320
77 AATGAAGGGA AAACGTGTTT CCTTATCTCT CTGTGTACAC TTCTCTCACT ACCTCCTTAC 1380
79 TTTCCTTTT ATTTTACTTT CATTTCAICA TTTTCTTTTC ATGAAACCAA ACAACGGAAA 1440
81 ACTAATTTTG GAATGTGTGT TCCATGTGTA AATTGTTTTC CA/GAAAAATC ATTTTACTACT 1500
83 GAAAAATGTTT TACACCTTAC CAAACAGAGC CTTCGTGTGC CATGAAATGCA TGACCGATT 1560
85 CAAATTCGAA ACTGGTGTGT ACCGTTTCTT AATTGGTTTC GAGTTCACAA CCAAGTATTC 1620
87 AACTATGTTG CTCACCTTAA AGATGAATAT GGTAAACCTT TGAGGTGGGC TTGGGCTAAA 1680
89 AAAAGTCCCA CCAAGCCCA ATTCTAGGCT CCAAAAAACA CGAAATTTCC TGGTACTATT 1740
91 CCAAAACAAA AACAAACACC TCCTGATCAA ACCAGAAAAA ATAAACATA TTTTGTGTTT 1800
93 CTCCCAATTT TTCAATTTAA TTTATCACGG GAAAGTACAC AA/TAATCAA TCAAGGGTAA 1860
95 AAAAAATAAA ATAAAAAGAA AAGATAAGTA TAAACAAAAG AAATTTGTCT TCTCTACATC 1920
97 CTCATATTTC ATCCACGCTC TCTTCTTCT CTCTCTCAT CTCTTTTTC AATTCCTCAG 1980
99 TCGGATCAAG CAATTCATCG AACACCTTCC GATCATCACC ATCAAAAAAA ATGTCAACAG 2040
101 TCTTTAACGG CGATGAACG GCGCGTTCT TCGGCTTTCT GGGTGTGCT 2090

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## C--&gt; 105 (2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1153 nucleic acids

(B) TYPE: nucleic acid

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

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112 GGGTGGGGGT GAAGTGGGGT CTGCAGGGGT GGGTGGGGGT GGCTGGTGCC AGGTATTGGT 60
114 AGTGGTGCTA GGTGGTGATT ATGGAGGAAG AAGGGAAATA GAAGTGGTTA ACACCGAAAA 120
116 GTGAGATTAA GTTTTATCTT GCAAAAAATA TTTATTTTTT GGTTTGTTTT CACAAAGAA 180
118 GCTTTATTA GGTTTTTTTT TGCAAAAAAC TGAACTTTTA AAAGGTTTTT TTTGATAAAT 240
120 TTTCTTAATA TTAATAAATG AAAATTTTTT TAACATGGGA GATAGCCTGG ACCTATAACT 300
122 AGTTGTTATA ACTTATAAGA AGAGAATTTT GGGCAACTAT GCGGAAATA GGGGAAATTT 360
124 TGGAAAAAAT AAGTAAAAAG TTTTAGGTGT AAACCTGCTT GTTATAAGTT ATAAACTTGA 420
126 ATTTGTCTTA TTGATAGTGT TGGTTAATAA TGTGACAACT AAATCGAACA TAAAGGTTTA 480
128 GGACCTTTT GACATCATTT AGAGTTAGAG GTGGGCATGA GCCGGGCCAG TTGCGGTGCT 540
130 GGAACGGCCA GTTCGCGGGC TGGTACGGCC AGGCACGAGC CCGATCAAGG CACGACCCGG 600
132 CTGTGTGTCC GCTACGTGGA CCTTGGGCCC ATCACGGTCA AAAAAAATA TTTTAGGCTC 660
134 GCACCCAGCAG GAGCCCGCGT AGGCCAGCCC GCGGGCTGAA TGTTCTTTTC CTTTGTTTTT 720
136 TAGCCTAAAA CTGTCAATAA TACAAAAAGA TAACATAAAA CACAGGCTAG GCCCTCAATA 780
138 GGCACGAGCC CGTGGAAAAA ATCCGAAAT TCCAAGCCTA GCTAGTACT CACAAGCTCA 840
140 GACCCGATTC GTCATTTTTT CAAACCCGTG GGCCGAGCCG GTGAACAGGC TCGGCCCGGC 900
142 TCATGTCCAG GTGACAGGTC TACTGAGAGT TATGAGTTGT TTCCCATGG GCTACTTGAC 960
144 TACAAACCTT CCAATGTTCC ATGACACTTC CATCTGAGCC CATGAGATAA AATTAAGGAA 1020
146 TACAAACACA AAACCTCAAC ACCAACCCGA AATATCGATC GGACTTGTTA GCACGTGTTA 1080
148 TGTGGGTCC CATCCAAGAA ACTTCTCTC TCCTCTCTC TCATAAAAAA ACCTTCTCAC 1140
150 TGATCCCATC CAG 1153

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## C--&gt; 153 (2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1073 ??? acids

(B) TYPE: nucleic acid

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

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161	GAATTCCTCTG	CTCTGGATTC	GACATCAAAA	TTTCACCCGG	GTTACTATTC	AAACAGACTG	60
163	CTCAAACTCTC	ATTCTCTCTC	TTCTCTCTAT	TTTCGACGGTC	CCTCGCTCTA	TCTACTGGTC	120
165	TGTATGCCAG	ATTATGAGTC	TAACAGGAAA	TCTTCACTGG	TGTTTCTGTC	TTAAAGTAAA	180
167	TTGTCAAAAA	GTTCAAAAGG	CACAAAATGT	GGCTAAGCTA	TGTGCTCAAA	TTTGTGTGTT	240
169	ACTACTTGAT	TTGTTTTCTT	TCTCTTTATG	CCTGTTTTTT	CCCCCTTTGT	AAAAAAAAGA	300
171	TACAAGTATA	GATGAAGGGA	TTCTTTATAT	TGGCCCCATG	TGTTCTGTTAG	ATAATTACAT	360
173	TGTACCTTCA	ATTCTCTCATC	TTCTCTGAAG	TTCTACGTAG	TACCATTTGTG	GTTGCATAAG	420
175	CAAAATGATA	TCATACCTTC	ATATCTTAGT	TAATGTACAT	CGTCACTTGT	GCTTAACATG	480
177	TCATAAACTA	ATTCTCTTGG	TTTAATACTG	GTTACATTAA	CTAAATCTTT	TATFCTTAAA	540
179	TATTTAAGAA	GTGTGCAGTA	AATTAAGTTC	CTTCCAAATC	CTCAATAAGA	CATTATACTT	600
181	AGAAAACCTC	TATAAAGTTA	CTTATCAACT	TACAGATAAC	GACCAAAGAA	TCATCACCAA	660
183	AACAGTTATC	GAACCACTA	GAAGCTGCAT	AGCTTTTGAA	AAAGGTGAAG	GTACAATATA	720
185	AATCTCCAAC	AAATATAGTG	TATCTACTCC	CAAAAGCTAT	CCTAGTAATA	TCCCTATCTC	780
187	AAAAACATAT	CTTTTATCAA	CTTTTTCCTA	ACACAACTC	AATTGTATAA	AACACAAAGG	840
189	AAACGTTGTT	TAACCAATCA	CTATATTTAC	ATTAACCATA	TTTTTAATTT	AGTTAAACCT	900
191	CTCAAGTCTC	ACTACATCTC	TAAAAAAGT	TGGAGATAGA	GTCATCATAA	TTCATAGAGA	960
193	AGGAATTGAC	AACATCTAAT	AAGAACGAAT	TACGAACCTG	GCAAAATCAC	AGACGAAACA	1020
195	TAGCAAAACT	TAACCTTGCA	AATCTCAATC	AGATTTAAAT	AATCCTTTTC	CTG	1073

RECEIVED

DEC 13 2000

TECH CENTER 1600/2900

## VERIFICATION SUMMARY

DATE: 12/09/2000

PATENT APPLICATION: US/09/636,826

TIME: 15:18:39

Input Set : A:\Pto.amc

Output Set: N:\CRF3\12092000\I636826.raw

L:3 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]  
L:21 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:22 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:105 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]  
L:153 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]